IN THE CLAIMS

The following listing of the claims is provided in accordance with 37 C.F.R. §1.121:

- 1. (original) An electronic device comprising:
- (a) a first electrode;
- (b) a second electrode that comprises:
- (1) a first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals; and
 - (2) a second layer comprising an electrically conducting material; and
- (c) at least an electronically active material disposed between the first electrode and the second electrode;

wherein the second layer is disposed between the first layer and the electronically active material of the electronic device.

- 2. (original) The electronic device according to claim 1, wherein the first layer of the second electrode comprises at least a halide compound of alkali metals.
- 3. (original) The electronic device according to claim 1, wherein the first layer of the second electrode comprises at least a fluoride compound of alkali metals.
- 4. (original) The electronic device according to claim 3, wherein the first layer of the second electrode comprises at least a fluoride compound of an alkali metal selected from the group consisting of sodium and potassium.

- 5. (original) The electronic device according to claim 4, wherein the first layer of the second electrode has a thickness in a range from about 1 nm to about 100 nm.
- 6. (original) The electronic device according to claim 1, wherein the second layer of the second electrode comprises a material selected from the group consisting of aluminum, silver, gold, tin, calcium, magnesium, yttrium, scandium, elements of lanthanide series, mixtures thereof, and alloys thereof.
- 7. (original) The electronic device according to claim 1, wherein the second layer of the second electrode comprises aluminum.
- 8. (original) The electronic device according to claim 7, wherein the second layer of the second electrode has a thickness in a range from about 1 nm to about 40 nm.
- 9. (original) The electronic device according to claim 1, wherein the first electrode comprises a metal oxide selected from the group consisting of indium tin oxide ("ITO"), tin oxide, indium oxide, zinc oxide, indium zinc oxide, zinc indium tin oxide, antimony oxide, and mixtures thereof.
- 10. (original) The electronic device according to claim 1, wherein the first electrode comprises at least a metal selected from the group consisting of silver, copper, tungsten, nickel, cobalt, iron, selenium, germanium, gold, platinum, and aluminum.
- 11. (original) The electronic device according to claim 1, wherein the electronic device is an organic light-emitting device, and the opto-electronically active material is selected from the group consisting of poly(N-vinylcarbazole) ("PVK");

poly(alkylfluorene), poly(praraphenylene), polysilanes, 1,3,5-tris {n-(4-diphenylaminophenyl) phenylamino} benzene, phenylanthracene, tetraarylethene, coumarin, rubrene, tetraphenylbutadiene, anthracene, perylene, coronene, and derivatives thereof.

- 12. (original) The electronic device according to claim 1, wherein the electronic device is an organic light-emitting device, and the electronically active material is an opto-electronically active material and is selected from the group consisting of aluminum-acetylacetonate, gallium- acetylacetonate, indium-acetylacetonate, aluminum-(picolymethylketone)-bis{2,6-di(t-butyl)phenoxide}, and scandium-(4-methoxy-picolylmethylketone)-bis(acetylacetonate).
- 13. (original) The electronic device according to claim 1, wherein the electronic device is an organic light-emitting device, and the electronically active material is an opto-electronically active material and is selected from the group consisting of tris(8-quinolinolato) aluminum and derivatives thereof.
- 14. (original) The electronic device according to claim 1, further comprising an additional layer that comprises a substantially transparent, electrically conducting material disposed on the first layer of the second electrode.
- 15. (original) The electronic device according to claim 14, wherein the second layer of the second electrode comprises aluminum and has a thickness in the range from about 1 nm to about 40 nm, and the additional layer comprises a metal oxide selected from the group consisting of ITO, tin oxide, indium oxide, zinc oxide, indium zinc oxide, zinc indium tin oxide, antimony oxide, and mixtures thereof.

- 16. (original) The electronic device according to claim 15, wherein the first electrode comprises a metal oxide selected from the group consisting of ITO, tin oxide, indium oxide, zinc oxide, indium zinc oxide, zinc indium tin oxide, antimony oxide, and mixtures thereof.
- 17. (original) The electronic device according to claim 16, wherein the electronic device is a photovoltaic ("PV") cell, and the electronically active material is a PV material.
 - 18. (previously presented) An light-emitting device comprising:
 - (a) a first electrode;
 - (b) a second electrode that comprises:
 - (1) a first layer comprising at least a fluoride compound of at least a metal selected from the group consisting of sodium and potassium, the first layer having a thickness in a range from about 1 nm to about 100 nm; and
 - (2) a second layer comprising aluminum and having a thickness in a range from about 1 nm to about 40 nm; and
- (c) an organic light-emitting material disposed between the first electrode and the second electrode, the organic light-emitting material comprising a polyfluorene;

wherein the second layer is disposed between the first layer and the organic lightemitting material of the electronic device.

- 19. (withdrawn) A method of making an electronic device, the method comprises:
- (a) forming a compound electrode, which comprises a first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals; and a second layer comprising an electrically conducting material;

- (b) disposing an electronically active material on the second layer of the compound electrode; and
 - (c) forming an additional electrode on the electronically active material.
- 20. (withdrawn) The method according to claim 19, wherein the at least a halide compound is a fluoride compound of an alkali metal.
- 21. (withdrawn) The method according to claim 19, wherein the second layer of the compound electrode comprises a metal selected from the group consisting of aluminum, silver, gold, tin, calcium, magnesium, yttrium, scandium, elements of lanthanide series, mixtures thereof, and alloys thereof.
- 22. (withdrawn) The method according to claim 19, wherein said forming the compound electrode comprises depositing an electrically conducting material on the first layer comprising the halide compound.
- 23. (withdrawn) The method according to claim 21, wherein the step of depositing is carried out by a method selected from the group consisting of physical vapor deposition, chemical vapor deposition, and sputtering.
 - 24. (withdrawn) A method of making an electronic device comprising:
 - (a) providing a first substrate;
- (b) forming a first layer on the first substrate, the first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals;
- (c) forming a second layer on the first layer, the second layer comprising an electrically conducting material;
- (d) forming a third layer on the second layer, the third layer comprising an electronically active material; and

- (e) forming a fourth layer on the third layer, the fourth layer comprising a substantially transparent, electrically conducting material.
- 25. (withdrawn) The method according to claim 24, wherein the at least a halide compound is a fluoride compound of an alkali metal.
- 26. (withdrawn) The method according to claim 24, wherein the second layer comprises a metal selected from the group consisting of aluminum, silver, gold, tin, mixtures thereof, and alloys thereof.
- 27. (withdrawn) The method according to claim 24, wherein the first layer and the second layer are formed by a method selected from the group consisting of physical vapor deposition, chemical vapor deposition, and sputtering.
- 28. (withdrawn) The method according to claim 24, wherein the third layer is formed by a method selected from the group consisting of spin coating, spray coating, dip coating, roller coating, physical vapor deposition, and ink-jet printing.
 - 29. (withdrawn) A method of making an electronic device comprising:
- (a) forming a first article, said forming the first article comprising: (1) providing a first substrate; (2) forming a first layer on the first substrate, the first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals; (3) forming a second layer on the first layer, the second layer comprising an electrically conducting material; and (4) forming a third layer on the second layer, the third layer comprising an electronically active material;
- (b) forming a second article, said forming the second article comprising (1) providing a second substrate; and (2) forming a fourth layer on the second substrate, the fourth layer comprising a substantially transparent, electrically conducing material; and:

- (c) laminating together the first article and the second article such that the fourth layer is disposed adjacent to the third layer..
- 30. (withdrawn) The method according to claim 29, wherein the step of laminating comprises applying pressure to the first article and the second article.
- 31. (withdrawn) The method according to claim 29, wherein the step of laminating comprises applying heat to the first article and the second article.
 - 32. (withdrawn) A method of making an electronic device comprising:
- (a) forming a first article, said forming the first article comprising: (1) providing a first substrate; (2) forming a first layer on the first substrate, the first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals; (3) forming a second layer on the first layer, the second layer comprising an electrically conducting material;
- (b) forming a second article, said forming the second article comprising: (1) providing a second substrate; and (2) forming a fourth layer on the second substrate, the fourth layer comprising a substantially transparent, electrically conducting material; and (3) forming a third layer on the second layer, the third layer comprising an electronically active material; and
- (c) laminating together the first article and the second article such that the second layer is disposed adjacent to the third layer.
- 33. (withdrawn) The method according to claim 32, wherein the step of laminating comprises applying pressure to the first article and the second article.
- 34. (withdrawn) The method according to claim 32, wherein the step of laminating comprises applying heat to the first article and the second article.

- 35. (withdrawn) A method of making an electronic device comprising:
- (a) forming a first article, said forming the first article comprising: (1) providing a first substrate; (2) forming a first layer on the first substrate, the first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals; (3) forming a second layer on the first layer, the second layer comprising an electrically conducting material; and (4) forming a protective layer on the second layer, the protective layer comprising a material that is capable of being removed to expose the second layer;
 - (b) removing the protective layer to expose the second layer,
- (c) forming a third layer on the second layer, the third layer comprising an electronically active material; and
- (d) forming a fourth layer on the third layer, the fourth layer comprising a substantially transparent, electrically conducting material.
- 36. (withdrawn) The method according to claim 35, wherein said removing is carried out by a method selected from the group consisting of heating and laser ablation.
 - 37. (original) A compound electrode comprising:
- (a) a first layer comprising at least a halide compound of at least a metal selected from the group consisting of alkali metals and alkaline-earth metals; and
- (b) a second layer comprising an electrically conducting material; wherein the second layer is in contact with an electronically active material.
- 38. (original) The compound electrode according to claim 37, wherein the first layer of the compound electrode comprises at least a halide compound of alkali metals.

- 39. (original) The compound electrode according to claim 37, wherein the first layer of the compound electrode comprises at least a fluoride compound of alkali metals.
- 40. (original) The compound electrode according to claim 37, wherein the first layer of the compound electrode comprises at least a fluoride compound of an alkali metal selected from the group consisting of sodium and potassium.
- 41. (original) The compound electrode according to claim 40, wherein the first layer of the compound electrode has a thickness in a range from about 1 nm to about 100 nm.
- 42. (original) The compound electrode according to claim 37, wherein the second layer of the compound electrode comprises a metal selected from the group consisting of aluminum, silver, gold, tin, calcium, magnesium, yttrium, scandium, elements of lanthanide series, mixtures thereof, and alloys thereof.
- 43. (original) The compound electrode according to claim 37, wherein the second layer of the compound electrode comprises aluminum.
- 44. (original) The compound electrode according to claim 43, wherein the second layer of the compound electrode comprises aluminum and has a thickness in a range from about 1 nm to about 40 nm.